CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/KRIDL/W.No.13/GSB-II/GR/2017-18 15.06.2017

TEST REPORT ON GRADATION FOR COARSE GRADED GARNULAR SUB BASE

*** Customer**	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
*** Agency**	:	**Technical Manager (West),** KRIDL, Bangalore.
*** Name of work**	:	Improvements to CC Roads at near Mallikarjuna Swamy Temple surrounding area in Ward No.13,Shettyhalli Sub Division,BBMP, Bangalore.
*** Reference**	:	BBMP/EE/DD/WO/102/2017-18 Dated: 13.06.2017
*** Sample ID**	:	Coarse Graded-II
Technical Reference	:	IS : 2720 (Part - 4), MORTH Table : 400-02
Date of Testing	:	15.06.2017

Oven Dry Wt (gm) : 5000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits
53	-	-	-	100	100
26.5	2210	2210	44.20	55.80	50-80
4.75	1565	3775	75.50	24.50	15-35
0.075	860	4635	92.70	7.30	0-10
PAN	365				
Total	5000				

* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-2, Grading II

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3. Any Query regarding the report must be reported within 30 days from the date of testing.

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ME-R

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Civil-tech Consultants & Engineers
#23/14, 7th Cross 3rd Stage 4th Block,
Shakthi Ganapathinagar,
Basaveshwaranagar, Bangalore-560 079

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Job No.: CTCE/BBMP/KRIDL/W.No.13/GSB-II/AL/2017-18 Date 15.06.2017

TEST REPORT ON ATTERBERG LIMITS FOR GRANULAR SUB BASE

***Customer**	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
***Agency**	:	**Technical Manager (West),** KRIDL, Bangalore.
***Name of work**	:	Improvements to CC Roads at near Mallikarjuna Swamy Temple surrounding area in Ward No.13,Shettyhalli Sub Division,BBMP, Bangalore.
***Reference**	:	BBMP/EE/DD/WO/102/2017-18 Dated: 13.06.2017
Sample ID	:	GSB- (Coarse graded-II)
Technical Reference	:	IS : 2720 (Part - 5) 1985 (RA-2010), MORTH Table : 400-01
Date of Testing	:	15.06.2017

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit, %	22.50	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

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AE-13

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾ...
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರಮ...

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Basaveshwaranagar, Bangalore-560 079.

CIVIL-TECH CONSULTANTS AND ENGINEERS

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T-2377

Job No.: CTCE/BBMP/W.No.13/KRIDL/CSR-06/372/Cube/2017-18

26.07.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer**	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
*** Agency**	:	**Technical Manager (West),** KRIDL, Bangalore.
*** Name of the work**	:	Improvements to CC Roads at near Mallikarjuna Swamy Temple surrounding area in Ward No.13,Shettyhalli Sub Division,BBMP, Bangalore.
*** Reference**	:	BBMP/EE/DD/WO/102/2017-18 Dated: 13.06.2017
*** Sample ID**	:	Dry Lean Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
*** Grade of Concrete**	:	Dry Lean Concrete
Compressive Strength as on	:	7^{th} day
Sample Received on	:	26.07.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.06.2017	26.07.2017	8.162	278.6	12.38
2	19.06.2017	26.07.2017	8.237	248.5	11.04
3	19.06.2017	26.07.2017	8.348	286.4	12.73

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AE-13

VIDYARANI P.K.
Technical Manager

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T-2377

Job No.: CTCE/BBMP/W.No.13/KRIDL/CSR-06/372/Cube/2017-18 27.06.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

*** Customer**	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
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Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
*** Grade of Concrete**	:	Dry Lean Concrete
Compressive Strength as on	:	7^{th} day
Sample Received on	:	27.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.06.2017	27.06.2017	8.193	238.6	10.60
2	20.06.2017	27.06.2017	8.247	270.9	12.04
3	20.06.2017	27.06.2017	8.334	283.4	12.60

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VIDYARANI P.K.
Technical Manager

AE-13

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ಎಸ್.ಎಂ. ರಸ್ತೆ, ರಾಜಾಜಿನಗರ, ಬೆಂಗಳೂರು

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Job No.: CTCE/BBMP/W.No.13/KRIDL/CSR-06/372/Cube/2017-18 28.06.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
*** Grade of Concrete**	:	Dry Lean Concrete
Compressive Strength as on	:	7^{th} day
Sample Received on	:	28.06.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.06.2017	28.06.2017	8.094	265.8	11.81
2	21.06.2017	28.06.2017	8.137	290.4	12.91
3	21.06.2017	28.06.2017	8.243	276.8	12.30

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VIDYARANI P.K.
Technical Manager